

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/006556

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 C23C28/00 F01D5/28 F01D5/18		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 C23C F01D		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, INSPEC, PAJ		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/021905 A1 (LEE CHING-PANG ET AL) 30 January 2003 (2003-01-30) claims 1-14; figures 1,2	1-25
A	EP 0 609 795 A (MTU MOTOREN- UND TURBINEN-UNION MÜNCHEN GMBH) 10 August 1994 (1994-08-10) column 1, line 29 - column 2, line 54; examples	1-25
A	EP 0 852 223 A (EURATOM) 8 July 1998 (1998-07-08) page 3, line 36 - page 4, line 41	1-25
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. 'E' document member of the same patent family		
Date of the actual completion of the international search 4 November 2004		Date of mailing of the international search report 12/11/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Patterson, A

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>XOMERITAKIS G ET AL: "Fabrication of a thin palladium membrane supported in a porous ceramic substrate by chemical vapor deposition"</p> <p>JOURNAL OF MEMBRANE SCIENCE, ELSEVIER SCIENTIFIC PUBL.COMPANY. AMSTERDAM, NL, vol. 120, no. 2, 13 November 1996 (1996-11-13), pages 261-272, XP004041862</p> <p>ISSN: 0376-7388</p> <p>* Seiten 267-272, Kapitel 3.2 *</p>	1-25
A	<p>US 6 428 280 B1 (AUSTIN CURTISS MITCHELL ET AL) 6 August 2002 (2002-08-06) claims</p>	4

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Information on patent family members

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EP 0609795	A	10-08-1994	DE 4303135 A1	11-08-1994
			DE 59401217 D1	23-01-1997
			EP 0609795 A1	10-08-1994
			US 5534308 A	09-07-1996
			US 5721057 A	24-02-1998
EP 0852223	A	08-07-1998	EP 0852223 A1	08-07-1998
US 6428280	B1	06-08-2002	NONE	